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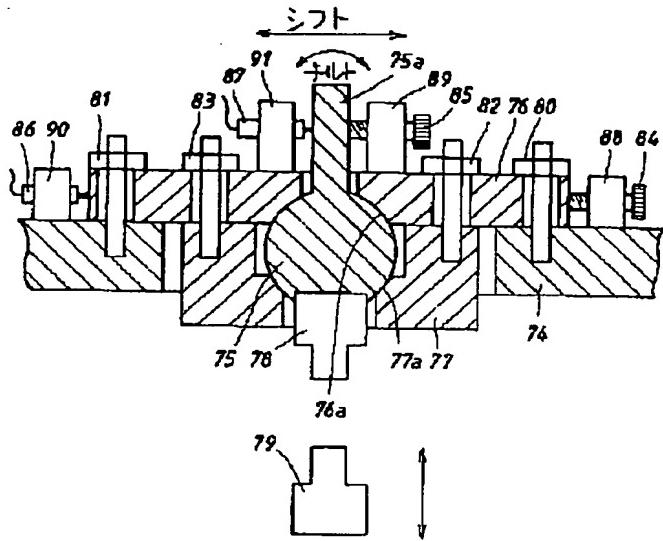
APPLICATION DATE : 24-03-95
 APPLICATION NUMBER : 07066138

APPLICANT : OLYMPUS OPTICAL CO LTD;

INVENTOR : KATAGIRI TAKENORI;

INT.CL. : C03B 11/08 C03B 11/16

TITLE : ECCENTRICITY ADJUSTING
 MECHANISM OF OPTICAL ELEMENT
 FORMING DEVICE



ABSTRACT : PURPOSE: To easily adjust the shift direction and tilt direction of forming dies, with high accuracy and to reduce the size, weight and cost of an eccentricity adjusting mechanism of an optical element forming device by adopting specific constitution to this adjusting mechanism.

CONSTITUTION: This eccentricity adjusting mechanism of the optical element forming device is constituted by providing either one die (upper die 78) of a pair of dies 78, 79 with a die shift adjusting means, tilt adjusting means and fixing means. More preferably this fixing means is formed of a mechanism to tighten and fix a mount 75 provided with a spherical surface shape receiver on the rear surface by means of a shift base 76 and a clamping member 77. The fixing means is further preferably formed of a mechanism to elastically deform the clamping surface by acting a pressure thereon from outside. Namely, vicinities 76a, 77a of the contact surfaces in structural bodies 75, 76, 77 are provided with fluid flow passages. The contact surfaces of these structural bodies 75, 76, 77 are elastically deformed with each other by increasing the pressure of fluid. The shift and tilt mechanisms are respectively fixed and held by the deformation of these contact surfaces.

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